BC Calculus Problem Set – FTOC and Riemann Sums

Approximate the area under the curve  on the interval [0, 4] using (do graphs on separate paper):

1. A left Riemann sum with 4 partitions.
2. A trapezoidal sum with 4 partitions.

Evaluate the following definite integrals USING GEOMETRY.





Evaluate the following definite integrals using anti-derivatives









Show work here: